

WET ON WET PROCESS FOR PRODUCING FILMS

ABSTRACT OF THE DISCLOSURE

An apparatus and method of making a decorative sheet material is provided whereby complex multi-layer films are produced with enhanced efficiency and assurance of quality. The method involves directing a flexible carrier film through a coating station; depositing onto the surface of the carrier film a first coating layer of a solvent based clear coat composition; depositing onto the first coating layer a second coating layer of a solvent based pigmented color coat composition; directing the thus coated carrier film from said coating station through a drying station and drying said first and second coating layers; directing the thus coated and dried carrier film through a coating station; depositing onto the surface of the dried second coating layer a third coating layer of a solvent based primer composition; depositing onto the third coating layer a fourth coating layer of a solvent based adhesive composition; and directing the thus coated film from said coating station through a drying station and drying said third and fourth coating layers. Preferably, the first two depositing steps are performed during a first pass through said coating station, and the second two depositing steps are performed during a second pass through the same coating station.

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